MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

OCTOBER, 1938

J. A. BROWN, DIRECTOR

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OCTOBER 1938

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	62.2	60.7	58.6	60.5	28.3	21.1	25.8	27.2	24.3	25.8
2	3.5	3.2	63.0	3.2	29.4	20.6	22.7	28.4	24.6	25.2
3	8.3	1.8	1.4	3.5	28.3	21.7	24.9	27.7	23.0	25.2
4	2.0	1.2	1.6	1.6	27.9	20.0	23.6	27.4	22.2	24.4
5	1.6	1.6	1.9	1.7	28.3	20.3	24.8	27.9	22.1	24.9
6	60.3	59.2	59.7	59.7	28.9	20.6	25.3	28.3	22.7	25.4
7	0.5	60.1	60.6	60.4	28.3	20.1	25.5	27.7	22.3	25.2
8	1.2	0.1	59.8	0.4	27.8	20.0	24.4	26.1	22.6	24.2
9	59.7	59.1	9.4	59.4	28.3	20.6	24.7	26.9	22.7	24.7
10	9.7	9.4	60.3	9.8	28.3	20.6	22.6	27.7	22.7	24.3
11	61.6	61.5	61.9	61.7	27.9	20.8	24.7	27.7	23.2	25.2
12	2.3	1.3	1.2	1.6	28.4	22.1	24.8	27.1	24.9	25.6
13	1.7	0.5	0.1	0.8	29.7	22.6	26.2	27.7	23.6	25.9
14	59.8	59.2	59.6	59.5	30.4	20.7	26.6	29.9	22.8	26.4
15	60.0	9.6	60.0	9.9	28.6	21.1	24.6	28.0	26.4	26.3
16	61.0	60.2	61.1	60.8	27.6	20.6	24.9	26.9	23.7	25.2
17	2.1	1.5	2.3	2.0	27.8	20.0	25.1	26.6	21.9	24.5
18	2.5	1.7	1.9	2.0	26.8	19.5	21.1	25.9	22.7	23.2
19	2.0	1.3	1.4	1.6	26.4	21.8	24.1	25.5	23.2	24.3
20	1.3	0.1	0.8	0.7	26.1	19.6	23.2	24.4	21.9	23.2
21	61.0	60.7	61.2	61.0	25.9	18.8	23.8	24.5	20.9	23.1
22	59.8	58.7	59.8	59.4	27.3	20.7	22.7	26.9	22.1	23.9
23	60.2	60.9	62.5	61.2	27.9	19.8	25.3	25.1	22.4	24.3
24	3.7	2.8	2.6	3.0	25.2	18.4	23.1	23.7	21.1	22.6
25	2.4	1.6	2.2	2.1	24.2	17.7	22.1	23.2	19.9	21.7
26	63.0	63.2	64.3	63.5	24.9	18.9	22.3	24.0	21.8	22.7
27	6.1	5.1	4.7	5.3	24.9	20.1	22.4	24.9	22.2	23.2
28	3.8	1.9	1.7	2.5	26.1	21.3	24.4	25.5	22.7	24.2
29	0.4	59.7	59.7	59.9	28 9	27.1	26.1	28.0	23.8	26.0
30	1.1	7.7	60.3	9.3	28.9	25.8	27.2	27.7	25.5	26.8
31	59.8	8.8	59.3	9.3	29.1	22.9	26.1	28.7	25.1	26.6
	761.76	760.79	761.13	761.20	27.77	20.83	24.36	26.69	22.93	24.65

Barometer, range for month 757.7 mm.–768.3 mm.
„ 50-yr. average for month 761.39 mm.
Thermometer, range for month 17.7 C.–30.4° C.
„ 50-yr. average for month 24.53° C.
Rain, total for month 0.762 mm.
„ , 50-yr. average for month 49.28 mm.
„ , total, from Sept. 1st 25.902 mm.
„ , „ 50-yr. average, Sept. 1st 57.709 mm.

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Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	13.2	12.6	12.5	12.8	54	46	55	52	9.5	665.0	
2	13.5	11.0	12.0	12.2	66	39	54	53	8.5	261.0	
3	12.8	16.7	16.9	15.5	55	61	82	66	9.4	170.0	
4	16.4	15.4	14.7	15.5	75	57	74	69	9.0	204.5	
5	15.3	14.3	13.7	14.5	66	51	70	62	10.2	237.6	
6	14.4	16.3	16.0	15.6	64	57	78	66	10.1	104.5	
7	16.2	16.9	16.5	16.5	67	60	83	70	10.2	157.0	
8	16.9	16.3	15.5	16.2	75	65	76	72	6.1	186.0	
9	15.8	15.6	15.4	15.6	69	60	75	68	8.9	158.6	
10	16.4	15.8	15.2	15.8	81	58	75	71	8.4	239.5	
11	15.6	16.8	15.6	16.0	68	61	74	67	9.2	212.5	
12	15.5	17.1	14.8	15.8	67	65	63	65	9.3	167.0	
13	13.9	16.7	17.6	16.1	55	61	81	66	9.6	188.0	
14	15.5	15.5	17.3	16.1	60	49	84	64	10.0	163.0	
15	15.4	18.2	15.1	16.2	68	64	58	63	10.3	172.6	
16	17.2	16.0	14.8	16.0	74	60	68	67	10.4	231.8	
17	15.3	14.6	14.8	14.9	64	56	75	65	10.0	187.0	
18	16.1	14.2	15.2	15.2	86	57	75	73	9.9	164.0	
19	15.3	16.3	16.5	16.0	69	67	78	71	7.4	248.0	
20	14.4	15.2	14.4	14.7	68	67	73	69	1.1	221.0	0.762
21	13.3	9.8	12.9	12.0	60	43	71	58	7.6	270.0	
22	10.6	10.6	9.9	10.4	51	39	51	47	10.5	416.4	
23	10.7	15.9	14.9	13.8	45	67	74	62	2.6	453.0	
24	14.2	13.6	12.8	13.5	68	62	70	67	7.9	350.0	
25	12.1	11.8	11.3	11.7	61	56	65	61	9.6	100.0	
26	10.9	13.6	13.5	12.7	54	61	69	61	10.3	110.0	
27	12.0	13.5	15.3	13.6	59	58	77	65	10.1	460.0	
28	14.8	16.2	17.8	16.3	65	67	86	73	9.6	143.2	
29	11.8	24.4	13.1	16.4	47	87	58	64	4.3	150.0	
30	11.4	15.1	11.7	12.7	41	54	48	48	1.9	200.0	
31	14.7	15.9	12.5	14.4	58	54	53	55	2.8	250.0	
	14.25	15.22	14.52	14.67	63.2	58.4	70.1	63.9	8.22	233.59	0.0246

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

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	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	4n	4n	6n	mod.	
2	0	0	0	0.0	1n	3n	3nw	slight	
3	0	0	0	0.0	1n	2w	3n	calm	
4	1cu	0	0	0.3	1w	2w	1w	„	
5	0	0	0	0.0	2w	2w	1w	„	
6	0	2cu	2cu	1.3	2s	2se	2se	slight	
7	0	1cu	0	0.3	1s	2s	2s	„	
8	3cu	9cu	10cu	7.3	2sw	2w	1w	„	
9	3cu	5ci	5ci	4.3	1sw	2w	1w	„	
10	1cu	3cu	5cu	3.0	1sw	2s	1sw	calm	
11	0	4cu	0	1.3	2s	2w	2w	slight	
12	0	0	0	0.0	2s	2n	2n	„	
13	0	0	0	0.0	1s	2w	2nw	calm	
14	0	0	0	0.0	1s	2sw	0	slight	
15	2ci	3ci	0	1.7	1sw	2sw	0	calm	
16	2cu	4cuci	6 cuci	4.0	2s	2w	3w	calm	
17	3cu	7cuci	8cu	6.0	2s	2w	1w	slight	
18	1ci	7cuci	2cuci	3.3	1ne	2nw	3w	„	
19	1ci	9cuci	10cuni	6.7	1nw	2n	2nw	calm	
20	10ni	10cuni	3cu	7.7	2nw	1nw	0	slight	
21	5cu	7cu	5cu	5.7	3s	3s	2s	slight	
22	1ci	1ci	0	0.7	1se	4w	3w	„	
23	10cuni	10cuni	3cu	7.7	4s	3sw	3w	mod.	
24	9cuci	2cu	0	3.7	3e	4n	3n	„	
25	2cu	2cu	0	1.3	2ne	2n	2n	slight	
26	1ci	1ci	0	0.7	1e	2n	2n	slight	
27	0	2ci	0	0.7	1n	4nw	5nw	„	
28	0	0	0	0.0	1n	2n	2n	„	
29	10ci	7ci	2cu	6.3	1e	2ne	1n	calm	
30	9cuci	9cuci	5ci	7.7	1s	2e	2e	„	
31	10cuci	7ci	5ci	7.3	3nw	2w	3w	„	
				2.90	1.7	2.3	2.1		

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	5	2	3	1	11	4	2	3	0	31
14:30	8	1	1	1	3	3	11	3	0	31
20:30	8	0	1	1	2	1	11	4	3	31
Totals	21	3	5	3	16	8	24	10	3	93

Number of days with rain 1, fog 0, thunderstorms 0, gale 0.

50 yr. average number of days with rain during month 3.5